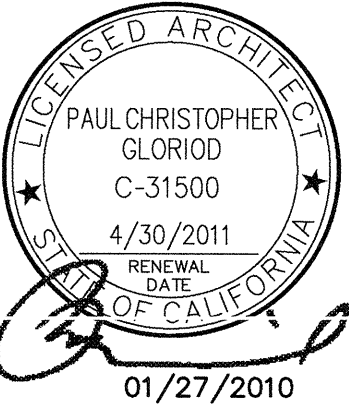


FKP Architects

ARCHITECT OF RECORD
Paul C. Gloriod



REVISIONS

APPROVAL
REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF 124, CCR
APPROVED
JAN 28 2010
Office of Statewide Health Planning & Development
FACILITIES DEVELOPMENT DIVISION

PROJECT NAME
CHILDREN'S HOSPITAL
OF ORANGE COUNTY
455 S. Main St.
Orange, CA 92868-3874

TOWER II



PROJECT NUMBER

12011.00
Increment #7

OSHPD - PROJECT NUMBER
IL 072072-30

ISSUE
OSHPD PERMIT

DATE
01/27/2010

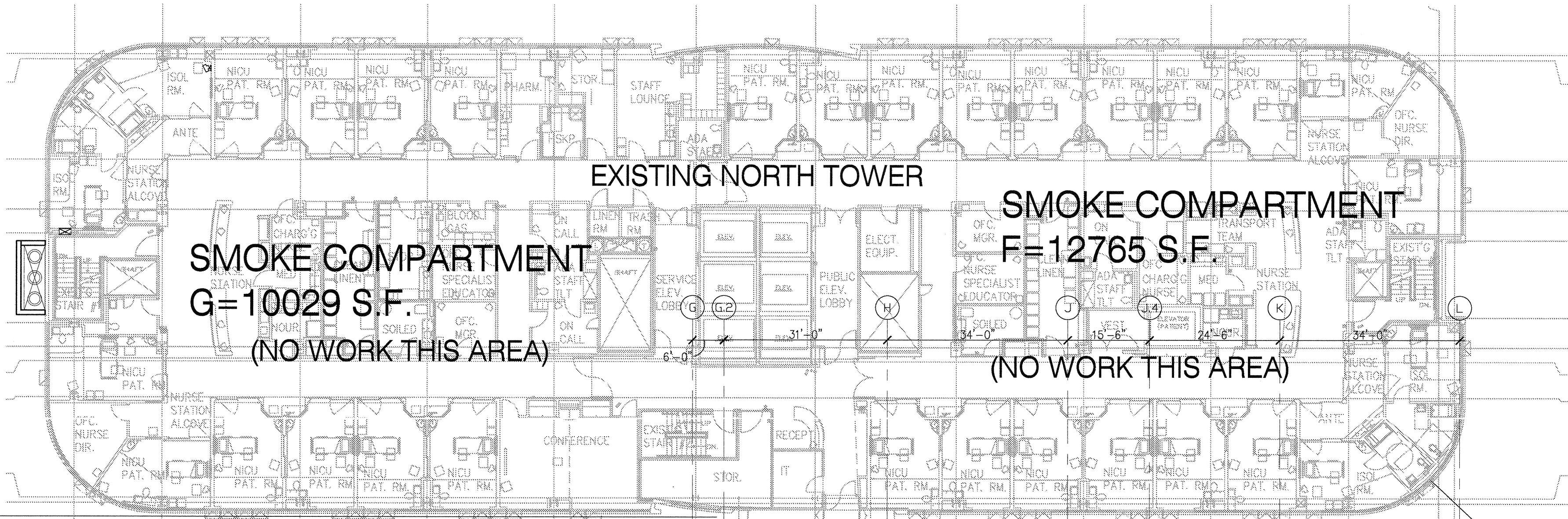
SCALE

1/16" = 1'-0"
DRAWING TITLE

LEVEL 6 LIFE SAFETY PLAN-A

DRAWING NUMBER

AC2.6A



D2 NOTES TO SHEET

- Level 6 existing north tower annex tie-in will not occur this project. Pending future renovation project to provide required 8' wide access corridor separation. (N.I.C.)
- Line of future corridor separation. Future renovation project. (N.I.C.)
- Provide fire rated seismic separation/joint assembly in this contract. (C.F.D.)
- Not used.

SMOKE COMPARTMENT
E=2385 S.F.

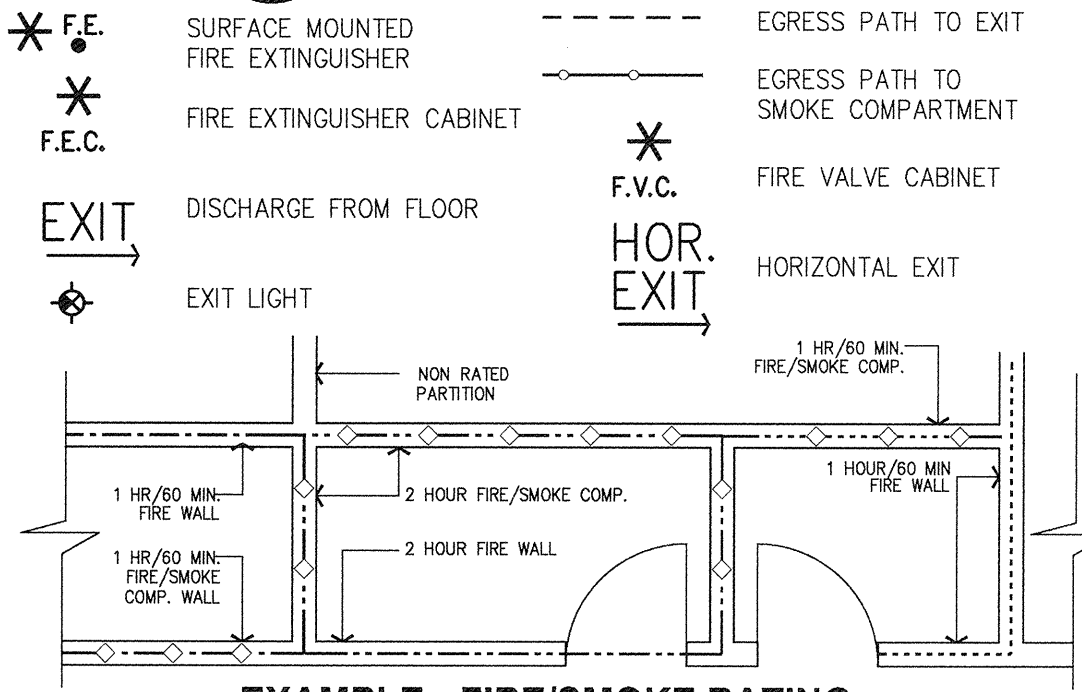
EXISTING
NORTH TOWER
ANNEX

AREA OF
REFUGE

SMOKE COMPARTMENT C
OCCUPANCY I-2

SMOKE COMPARTMENT A
OCCUPANCY I-2

C2 GENERAL NOTES



EXAMPLE - FIRE/SMOKE RATING

- TYPICAL CORRIDOR WALL (1 HOUR WALL/DOORS SMOKE-RATED/NON-RATED WINDOWS LIMITED IN SIZE(25% OF WALL)) CBC 407.3.
- ONE HOUR FIRE RATED WALL (OCCUPANCY SEPARATION) WITH 60 MIN. DOORS. CBC 508.
- ONE HOUR FIRE/SMOKE RATED WALL (OCCUPANCY SEPARATION) WITH 60 MIN. DOORS. CBC 709.
- TWO HOUR FIRE RATED WALL (SHAFT ENCLOSURE, OCCUPANCY SEPARATION & HORIZONTAL EXIT) WITH 90 MIN. DOORS. CBC 508, 707 & 1022.
- TWO HOUR FIRE/SMOKE RATED WALL (SHAFT ENCLOSURE/SMOKE COMPARTMENT) WITH 90 MIN. DOORS. CBC 404.4 & 707.
- 3 HOUR RATED WALL (OCCUPANCY SEPARATION) 180 MIN. DOORS. CBC 715.
- 3 HOUR FIRE/SMOKE RATED WALL (OCCUPANCY SEPARATION/SMOKE COMPARTMENT) 180 MIN. DOORS. CBC 404.4 & 715.
- 4 HOUR RATED WALL (OCCUPANCY SEPARATION) 180 MIN. DOORS. CBC 715.
- SMOKE COMPARTMENT WALLS-ONE HOUR RATE WITH 60 MIN. DOORS. CBC 407.4, 709 & 715.
- DISCHARGE PATH TO PUBLIC WAY

Suites Shell Space
Area of refuge. (Rescue Assistance)
Code Requirement: 200 Occupants per one area of refuge. Level 6 239/200 = 1.2 min.

LEVEL 6 SMOKE COMPARTMENT AND EXITING CALCULATIONS:

COMPARTMENTS & OCCUPANCY:	AREA (SF)	OCCUPANT TYPE	LOAD FACTOR PER PERSON	OCCUPANTS	REQUIRED EXIT (IN)	WIDTH REQ. (IN)	WIDTH PROVIDED (IN)	EXITS
A I-2 OCC.	12,948	SLEEP AREA	120	107.9	HOR.=2 VERT.=3	21.6 32.4	46 48	STAIR #2
TOTAL	12,948			107.9				
C I-2 OCC.	15,733	SLEEP AREA	120	131.1	HOR.=2 VERT.=3	26.2 39.3	46 48	STAIR #1
TOTAL	15,733			131.1				
TOTAL	28,681			239	HOR.=2 VERT.=3	47.8 71.7	92 96	

LOWER SIX SMOKE COMPARTMENT REFUGE AREA CALCULATIONS:

COMPARTMENTS & OCCUPANCY:	AREA (SF)	ADJOINING SMOKE COMP(S)	OCCUPANT LOAD	REQ. SF PER OCCUP.	REQ. AGGREGATE AREA (SF)	AGGREGATE SMOKE AREA PROVIDED (SF)
A I-2 OCC.	12,948	C SHELL	30	0	SHELL	10,703
C I-2 OCC.	15,733	A SHELL	30	0	SHELL	12,948

A6 OVERALL LIFE SAFETY PLAN

A2 LEGEND